

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FAST SET / ANCHOR FIX 3

HMIS

| | |
|---------------------|---|
| HAZARD | 3 |
| HEALTH | 1 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | C |

1. Product And Company Identification

Supplier

SIKA CORPORATION
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: Kristin Kelley
Telephone Number: (201) 933-8800
FAX Number: (201) 933-9379
Web Site: www.sikausa.com

Manufacturer

SIKA CORPORATION
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: Kristin Kelley
Telephone Number: (201) 933-8800
FAX Number: (201) 933-9379
Web Site: www.sikausa.com

Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

DOT NON CORROSIVE AS PER 11/3/97 TESTING

Issue Date: 05/21/2002

Product Name: SIKADUR INJECTION GEL FAST SET / ANCHOR FIX 3 - PART B

CAS Number: Not Established

Chemical Family: AMINE COMPOUND

Chemical Formula: RMF-2446

MSDS Number: 2517

Product Code: 386-14G

2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | Percent Of Total Weight |
|--|-------------|-------------------------|
| BENZYL ALCOHOL | 100-51-6 | |
| CALCIUM CARBONATE | 471-34-1 | |
| NONYL PHENOL | 84852-15-3 | |
| PHENOL | 108-95-2 | |
| PROPRIETARY BLEND OF CYCLIC & ALIPHATIC AMINES | TradeSecret | |
| TALC | 14807-96-6 | |

*EXPOSURE TO CALCIUM CARBONATE AND TALC IS APPLICABLE ONLY IF CURED WITH PART "A" AND SANDED.

3. Hazards Identification

Eye Hazards

Causes eye irritation. Causes irreversible eye damage.

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FAST SET / ANCHOR FIX 3 - PART B

3. Hazards Identification - Continued

Skin Hazards

Causes skin irritation. Causes irreversible skin damage.

Ingestion Hazards

Harmful if swallowed.

Inhalation Hazards

May cause nose, throat, and lung irritation. May cause respiratory tract irritation.

4. First Aid Measures

Eye

In case of contact, immediately flush eyes with plenty of water. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

If swallowed, do not induce vomiting unless directed to do so by medical personnel.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration.

5. Fire Fighting Measures

Flash Point: >200 °F

Autoignition Point: N/AV °F

Flammability Class: NCMB

Lower Explosive Limit: N/AV

Upper Explosive Limit: N/AV

Fire And Explosion Hazards

EXPOSURE TO HEAT BUILDS UP PRESSURE IN CLOSED CONTAINERS.

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate personal protective equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Ventilate enclosed area.

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FAST SET / ANCHOR FIX 3 - PART B

7. Handling And Storage

Handling And Storage Precautions

Keep containers tightly closed. Keep out of reach of children.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves. Lab coat or other work clothing. Launder before reuse.

Respiratory Protection

In areas where the P.E.L.s are exceeded, use a properly fitted NIOSH-approved respirator.

Other/General Protection

Ingredient(s) - Exposure Limits

CALCIUM CARBONATE

ACGIH TLV-TWA 10 mg/m³

OSHA PEL-TWA 15 mg/m³

OSHA PEL-TWA 5 mg/m³

NONYL PHENOL

EXPOSURE LIMITS NOT ESTABLISHED

NTP - NOT LISTED

IARC - NOT LISTED

PHENOL

ACGIH TLV-TWA 5 ppm (Skin)

OSHA PEL-TWA 5 ppm (Skin)

TALC

ACGIH TLV-TWA 2 mg/m³

OSHA PEL-TWA 20 mppcf

9. Physical And Chemical Properties

Appearance

GRAY PASTE

Odor

AMINE ODOR

Chemical Type: Mixture

Physical State: Solid

Melting Point: N/AV °F

Boiling Point: N/AV °F

Specific Gravity: 1.54

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FAST SET / ANCHOR FIX 3 - PART B

9. Physical And Chemical Properties - Continued

Odor - Continued

Percent Volatiles: N/AV

Packing Density: 12.92#/GAL

Vapor Pressure: N/AV

Vapor Density: >AIR

Solubility: N/AV

Evaporation Rate: SLOWER THAN ETHER

10. Stability And Reactivity

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)

NONE KNOWN

Incompatible Materials

STRONG ACIDS AND OXIDIZING AGENTS.

Hazardous Decomposition Products

NITROGEN OXIDES, CO, CO2

Conditions To Avoid (Polymerization)

EXOTHERM WHEN CURING IN MASS

11. Toxicological Information

Conditions Aggravated By Exposure

Ingredient(s) - Carcinogenicity

TALC

Listed In The IARC Monographs

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

NOT REGULATED BY D.O.T.

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard

Chronic Health Hazard

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FAST SET / ANCHOR FIX 3 - PART B

15. Regulatory Information - Continued

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

Ingredient(s) - U.S. Regulatory Information

PHENOL

SARA Title III - EPA Part 355 Extremely Hazardous Substance

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

SARA - Acute Health Hazard

SARA - Chronic Health Hazard

SARA - Fire Hazard

Ingredient(s) - State Regulations

BENZYL ALCOHOL

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

CALCIUM CARBONATE

Pennsylvania - Workplace Hazard

PHENOL

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

New Jersey - Special Hazard

Pennsylvania - Workplace Hazard

Pennsylvania - Environmental Hazard

California - CalARP Table 3 Regulated Substance

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

TALC

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

16. Other Information

HMS Rating

Health: 3

Fire: 1

Reactivity: 0

PPE: C

Revision/Preparer Information

MSDS Preparer: Kristin Kelley

This MSDS Supersedes A Previous MSDS Dated: 05/21/2002

Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

SIKA CORPORATION

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FS / ANCHOR FIX 3 - PART A

HMIS

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 1 |
| Reactivity | 0 |
| Personal Protection | C |

1. Product And Company Identification

Supplier

SIKA CORPORATION
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: Kristin Kelley
Telephone Number: (201) 933-8800
FAX Number: (201) 933-9379
Web Site: www.sikausa.com

Manufacturer

SIKA CORPORATION
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: Kristin Kelley
Telephone Number: (201) 933-8800
FAX Number: (201) 933-9379
Web Site: www.sikausa.com

Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Issue Date: 05/21/2002

Product Name: SIKADUR INJECTION GEL FS / ANCHOR FIX 3 - PART A

CAS Number: Not Established

Chemical Family: EPOXY COMPOUND

Chemical Formula: RMF-2446

MSDS Number: 2519

Product Code: 386-13G

2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | Percent Of Total Weight |
|----------------------------------|---------------|----------------------------|
| BISPHENOLBASEDEPOXYRESINSOLUTION | 25085-99-8 | |
| CALCIUM CARBONATE | 471-34-1 | |
| NEOPENTYLGLYCOLDIGLYCIDYLETHER | 17557-23-2 | |
| TALC | 14807-96-6 | |

*EXPOSURE TO CALCIUM CARBONATE AND TALC IS APPLICABLE ONLY IF CURED WITH PART "B" AND SANDED.

3. Hazards Identification

Eye Hazards

May cause eye irritation.

Skin Hazards

May cause skin irritation. May cause skin sensitization.

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FS / ANCHOR FIX 3 - PART A

3. Hazards Identification - Continued

Ingestion Hazards

May be harmful if swallowed.

Inhalation Hazards

May cause nose, throat, and lung irritation.

4. First Aid Measures

Eye

In case of contact, immediately flush eyes with plenty of water. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

If swallowed, do not induce vomiting unless directed to do so by medical personnel.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration.

5. Fire Fighting Measures

Flash Point: >200 °F

Autoflammability Point: N/A °F

Fire And Explosion Hazards

NONE KNOWN

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate personal protective equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Ventilate enclosed area.

7. Handling And Storage

Handling And Storage Precautions

Keep containers tightly closed. Keep out of reach of children.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FS / ANCHOR FIX 3 - PART A

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves. Lab coat or other work clothing. Launder before reuse.

Respiratory Protection

In areas where the P.E.L.s are exceeded, use a properly fitted NIOSH-approved respirator.

Other/General Protection

WASH THOROUGHLY AFTER HANDLING.

Ingredient(s) - Exposure Limits

BISPHENOL BASED EPOXY RESIN SOLUTION

ACGIH TLV: NOT ESTABLISHED

OSHA PEL: NOT ESTABLISHED

NTP: NO

IARC: NO

CALCIUM CARBONATE

ACGIH TLV-TWA 10 mg/m³

OSHA PEL-TWA 15 mg/m³

OSHA PEL-TWA 5 mg/m³

NEOPENTYL GLYCOL DIGLYCIDYL ETHER

ACGIH TLV: NOT ESTABLISHED

OSHA PEL: NOT ESTABLISHED

IARC: NO

NTP: NO

TALC

ACGIH TLV-TWA 2 mg/m³

OSHA PEL-TWA 20 mppcf

9. Physical And Chemical Properties

Appearance

WHITE PASTE

Odor

MILD AROMATIC ODOR

Chemical Type: Mixture

Physical State: Solid

Melting Point: N/AV °F

Boiling Point: N/AV °F

Specific Gravity: 1.46

Percent Volatiles: N/AV

Vapor Pressure: N/AV

Vapor Density: > AIR

Solubility: N/AV

Evaporation Rate: SLOWER THAN ETHER

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FS / ANCHOR FIX 3 - PART A

10. Stability And Reactivity

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)

NONE KNOWN

Incompatible Materials

STRONG OXIDIZING MATERIALS, ACIDS AND BASES.

Hazardous Decomposition Products

CO, CO₂, ALDEHYDES AND OTHER ORGANICS

Conditions To Avoid (Polymerization)

FIRES/EXOTHERM WHEN CURING IN MASS.

11. Toxicological Information

Miscellaneous Toxicological Information

Conditions Aggravated By Exposure

Ingredient(s) - Carcinogenicity

TALC

Listed In The IARC Monographs

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

NOT REGULATED UNDER D.O.T.

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard

Chronic Health Hazard

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

Ingredient(s) - State Regulations

CALCIUM CARBONATE

Pennsylvania - Workplace Hazard

MATERIAL SAFETY DATA SHEET

SIKADUR INJECTION GEL FS / ANCHOR FIX 3 - PART A

15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

TALC

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

16. Other Information

HMS Rating

Health: 2

Fire: 1

Reactivity: 0

PPE: C

Revision/Preparer Information

MSDS Preparer: Kristin Kelley

This MSDS Supersedes A Previous MSDS Dated: 05/21/2002

Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

SIKA CORPORATION

Printed Using MSDS Generator® 2000